

## Benzalkonium Chloride Compounds on Ultra IBD

Peaks	RT (min)	Conc.(mg/mL)
1. Benzalkonium chloride - C12	4.39	0.9
2. Benzalkonium chloride - C14	5.48	0.5
3. Benzene	5.16	0.4
4. Toluene	6.14	0.4
5. Naphthalene	7.14	0.15
6. Biphenyl	7.93	0.02

**Column** Ultra IBD (cat.# 9175565)  
**Dimensions:** 150 mm x 4.6 mm ID  
**Particle Size:** 5 µm  
**Pore Size:** 100 Å  
**Temp.:** 30 °C

**Sample**  
**Diluent:** Water:methanol (50:50)  
**Inj. Vol.:** 1 µL

**Mobile Phase**  
**A:** 0.2% H<sub>3</sub>PO<sub>4</sub> in water  
**B:** Acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0	1	65	35
10	1	15	85

**Detector** UV/Vis @ 207 nm  
**Instrument** Shimadzu UFLCXR

